

## ABSTRACT

An apparatus for determining leakage in an evaporated fuel processing system is provided. The evaporated fuel processing system extends from a fuel tank to a purge passage through which evaporated fuel from the fuel tank is purged to an intake manifold of an engine. The apparatus comprises a pressure sensor for detecting a pressure of the evaporated fuel processing system, an atmospheric pressure sensor for detecting an atmospheric pressure, and a control unit connected to the pressure sensor and the atmospheric pressure sensor. The control unit detects a stop of the engine. A determination value used for the leakage determination is corrected according to the atmospheric pressure. The evaporated fuel processing system is closed after the stop of the engine is detected. It is determined whether the evaporated fuel processing system has leakage based on the pressure detected by the pressure sensor and the corrected determination value. Since the determination value is corrected according to the atmospheric pressure, leakage is accurately determined regardless of whether the vehicle is located in highlands or lowlands.